

POROUS GLASS FUSED ONTO STENT STRUT FOR DRUG RETENTION

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ABSTRACT

An implantable medical device that comprises an attached porous ceramic component is disclosed. This ceramic component joins the surface of the medical device to an auxiliary component such as a glass, plastic, ceramic, or metal device. This auxiliary component can be fiber optic, can be an electrode, or can be a sensor or chip-based sensor. Alternatively, the ceramic component is a drug reservoir capable of locally delivering a drug or other therapeutic substance near the implantation site of the medical device.

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